

26 September 1985

MEMORANDUM FOR: Chief, ESG
Chief, ADD/ESG

FROM: Chief, FED/ESG

SUBJECT: INTERNET Communication Options and AFS

1. FED has only one project that might have an apparent impact on the AFS program. This is FSB's project to replace the EXTEL ASR units.  of your Division, has been working with Chuck on this project.

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2. The EXTEL ASR units have to be replaced since the Agency will no longer allow FBIS to purchase this equipment because of foreign ownership of the company. FSB has conducted a funded market survey/technical trade-off study aimed at identifying viable replacements. Technically, sound alternatives are either also foreign made or too expensive. The sole candidate that emerged is the IBM PC integrated with DSI's reader/punch.

3. The plan is to purchase four IBM PCs (with hard disc) with reader punches. One each will go to the four Far East bureaus for testing and evaluation. Bigger replacement programs for each of these four bureaus (i.e. approx 24 units) as budget allows. Following that to continue to replace bureau by bureau. Approx cost of PC and reader/punch \$6.7K/unit. Units can be used for CRW header program also.

4. If this option is elected, there will be no impact on AFS design. INTERNET would pass the TTY commo circuits without impacting any of the communication protocols either at the bureaus or at Headquarters. In short, it should be the perfect communication link, e.g., transparent as far as the messages are concerned.

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cc: D/FBIS
C/OPS
C/E&PS